

What is claimed is:

1. A communication system which a mobile terminal can be connected to and comprises a plurality of communication networks using different communication technologies, each of said
- 5 plurality of communication networks use the Internet Protocol to connect to the Internet, said communication system comprising:
- an information service network for managing accounting information about said mobile terminal and providing services; a Mobile IP (Internet Protocol) HA (Home Agent) device provided
- 10 in said information service network for constantly managing which said mobile terminal exists in and delivering received data to an appropriate network over the Internet; and,
- an FA (Foreign Agent) device provided in each of said plurality of communication networks for sending a position
- 15 registration request from said mobile terminal to said HA device and transferring data delivered from said HA device over the Internet to said mobile terminal when said mobile terminal is under the coverage of said FA device;
- wherein the position registration request and a reply
- 20 corresponding to said position registration request communicated between said HA device and said FA device are used to flexibly enable communications between said plurality of communication networks and the continuation of the communications across said plurality of communication networks.
- 25 2. The communication system according to claim 1, wherein said plurality of communication networks include at least a mobile

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communication network, public telephone network, and private network.

3. The communication system according to claim 1, wherein said HA device performs the position registration of said mobile terminal in response to said position registration request sent from said FA device.

4. The communication system according to claim 1, further comprising: an AAAL (Authentication, Authorization and Accounting Local) device provided in each of said plurality of communication networks for sending charge information about the network in which said AAAL device is provided over the Internet; and an AAAH (Authentication, Authorization and Accounting Home) device provided in said information service network for managing accounting information about said mobile terminal according to said charge information sent from said AAAL device over the Internet.

5. The communication system according to claim 4, wherein said AAAL device determines whether said position registration should be allowed or not based on charge information added to the position registration request from said mobile terminal, said position registration request being input through said FA device.

6. The communication system according to claim 5, wherein said AAAL device automatically identifies a lower-charge communication network based on said charge information to

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determine whether said position registration should be allowed or not.

7. The communication system according to claim 4, wherein the charge information communicated between said AAAL device and
5 said AAAH device is used to provide a simple cash dispenser function.

8. A method for using a communication network in a communication system which a mobile terminal can be connected to and comprises a plurality of communication networks using different
10 communication technologies, each of said plurality of communication networks use the Internet Protocol to connect to the Internet, said method comprising:

providing in an information service network for managing accounting information about said mobile terminal and providing
15 services a Mobile IP (Internet Protocol) HA (Home Agent) device for constantly managing which network said mobile terminal exist in and delivering received data to an appropriate network over the Internet; and

providing in each of said plurality of communication
20 networks an FA (Foreign Agent) of device said Mobile IP, for sending a position registration request from said mobile terminal to said HA device and transferring data delivered from said HA device over the Internet to said mobile terminal when said mobile terminal is under the coverage of said device;

25 wherein the position registration request and a reply corresponding to said position registration request communicated

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between said HA device and said FA device are used to flexibly enable communications between said plurality of communication networks and the continuation of the communications across said plurality of communication networks.

5 9. The method for using a communication network according to claim 8, wherein said plurality of communication networks include at least a mobile communication network, public telephone network, and private network.

10 10. The method for using a communication network according to claim 8, wherein said HA device performs the position registration of said mobile terminal in response to said position registration request sent from said FA device.

11. The method for using a communication network according to claim 8, wherein an AAAL (Authentication, Authorization and Accounting Local) device is provided in each of said plurality of communication networks for sending charge information about the network in which said AAAL device is provided over the Internet; and an AAAH (Authentication, Authorization and Accounting Home) device is provided in said information service
15 network for managing accounting information about said mobile
20 terminal according to said charge information sent from said AAAL device over the Internet.

12. The method for using a communication network according to claim 11, wherein said AAAL device determines whether said

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position registration should be allowed or not based on charge information added to the position registration request from said mobile terminal, said position registration request being input through said FA device.

- 5 13. The method for using a communication network according to claim 12, wherein said AAAL device automatically identifies a lower-charge communication network based on said charge information to determine whether said position registration should be allowed or not.
- 10 14. The method for using a communication network according to claim 11, wherein the charge information communicated between said AAAL device and said AAAH device is used to provide a simple cash dispenser function.